Renforth Resources

Battery Metals backed with Gold

CSE:RFR
OTCQB:RFHRF

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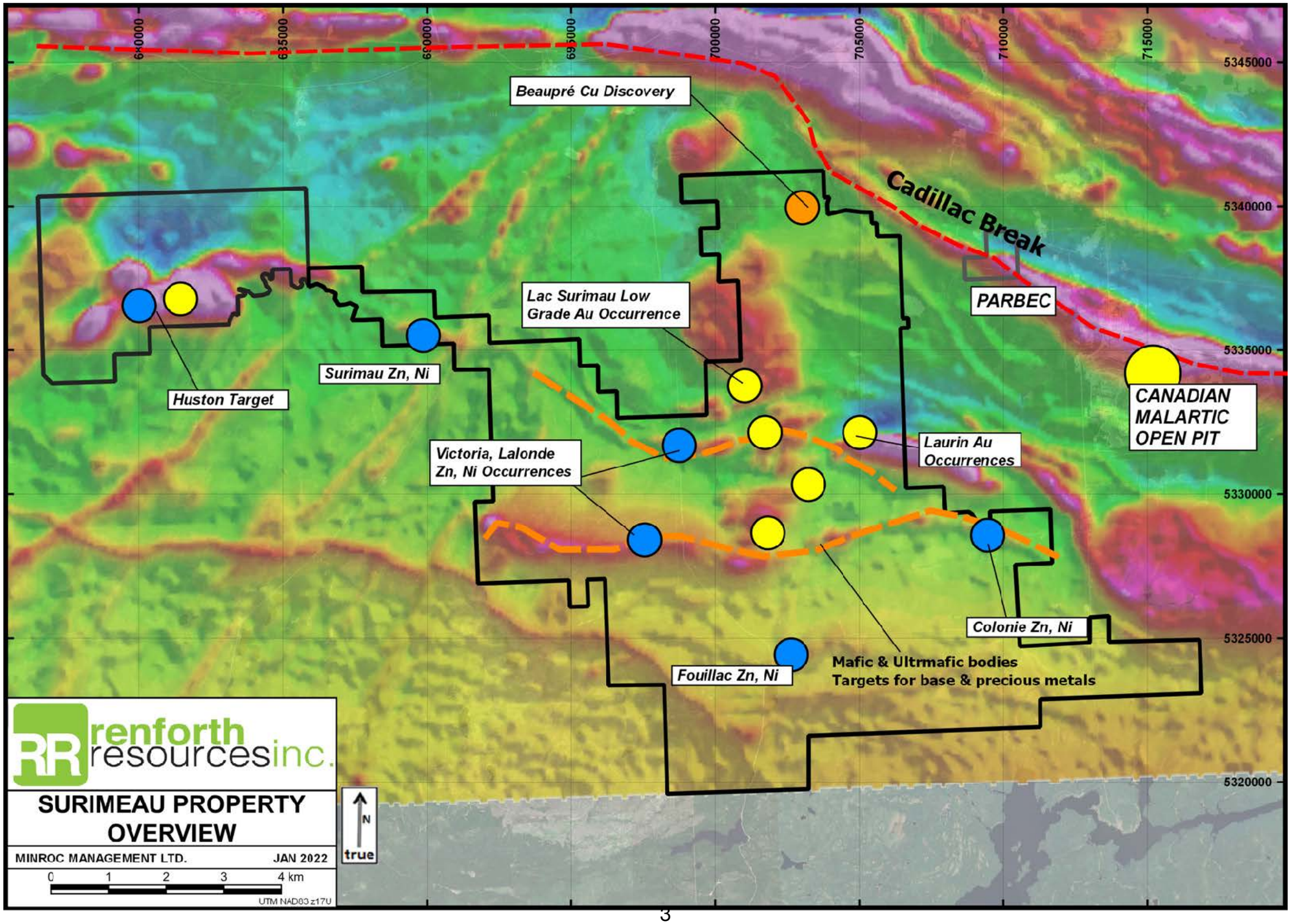
Renforth would like to acknowledge the following;
1 - Our corporate office is located within the City of Pickering, Ontario which resides on land within the Treaty and traditional territory of the Mississaugas of Scugog Island First Nation and Williams Treaties signatories of the Mississauga and Chippewa Nations. Pickering is also home to many Indigenous persons and communities who represent other diverse, distinct, and autonomous Indigenous nations
2 - Our Surimeau and Parbec properties are located within the municipal boundaries of Rouyn-Noranda and Val d’Or Quebec, within Treaty 9 and the traditional lands of the Conseil de la Première Nation Abitibiwinni, the Algonquins of Pikogan
3 -Our Nixon-Bartleman project is located west of Timmins, Ontario, within Treaty 9 and the traditional lands of many First Nations. This acknowledgement is offered in the spirit of reconciliation and the recognition of the history and living culture of Canada’s First Nations people

Quebec's Newest Battery Metals Discovery

Surface Nickel, Cobalt, PGEs, Copper and Zinc, lithium targets

330 km² Property, Nickel Focussed with Multiple Polymetallic Mineral Occurrences



The Time is Now...

Canada "has similar rich natural resources as Russia -- with the difference that it is a reliable democracy," Scholz told reporters[1]

"By 2030, nickel is facing the largest absolute demand increase…
High nickel Li-ion batteries require far more nickel than even lithium…
…almost seven times more nickel than lithium by weight"[3]

"…the White House has adopted an interpretation of military-sharing agreements from the 1950s and 1960s to state Canadian companies are "domestic" sources, opening the door for that country's mining projects to qualify for U.S. financing under the law.

Advocates for a stronger and more secure U.S. supply chain for electric vehicles say Canada could be a valuable ally in Biden's mining-for-climate strategy.

Part of the reason for that is a difficult reality: The U.S. may not have the geologic potential to make an electric vehicle battery."[2]

China depends on overseas sources for 93% of its nickel, 98% of its cobalt and 65% of its lithium, said Hu Changping, Deputy Secretary General of the China Nonferrous Metals Industry Association. "The self-sufficiency rate of nickel, cobalt, lithium and other mineral resources is relatively low," Hu told the Antaike China battery metals conference in Dezhou city in Shandong province[4]

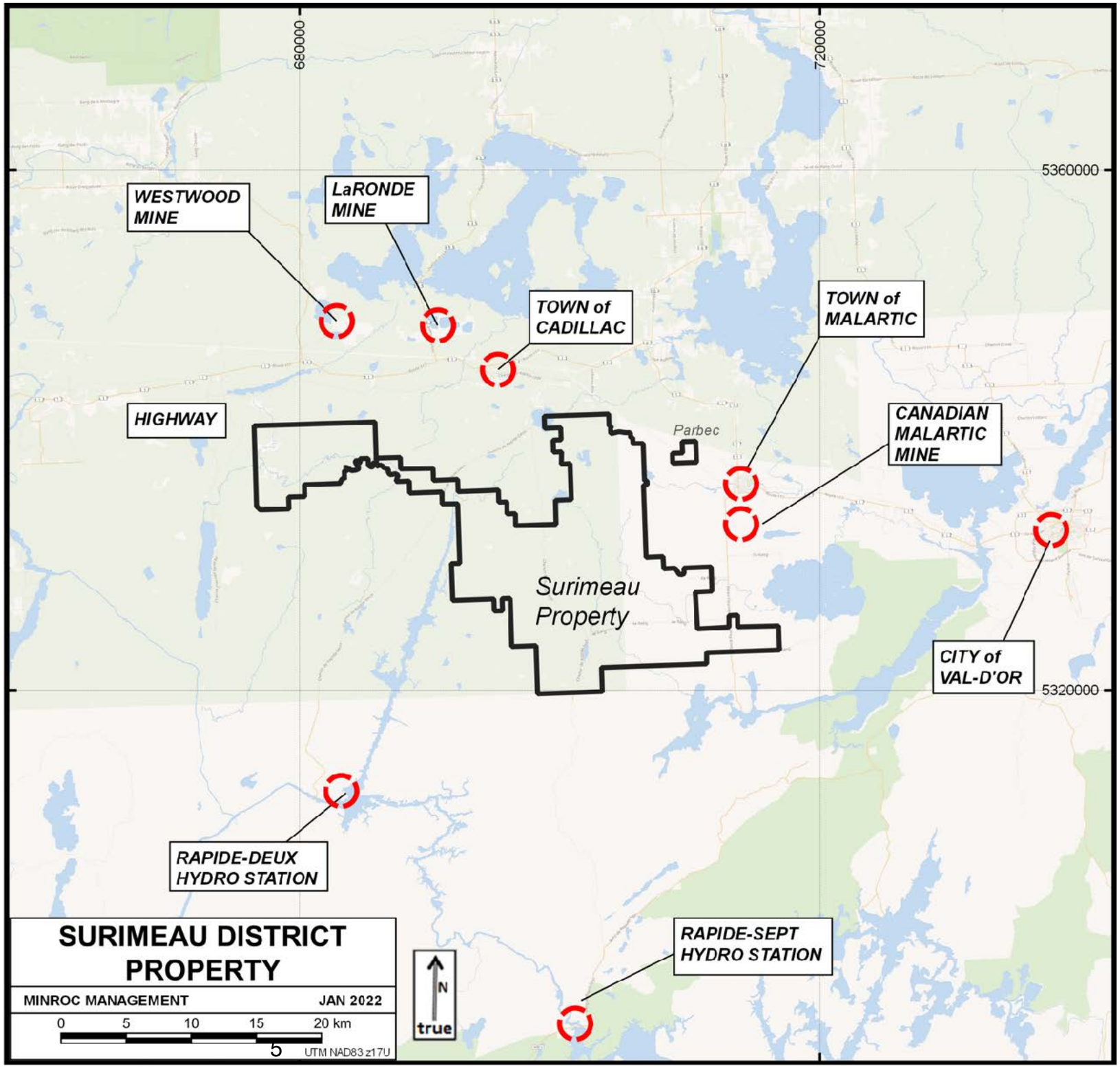
[1] German Chancellor Scholz Aug 22 regarding Germany/Canada battery metals co-operation agreement signed
[2] E&E News Greenwire 08/23/2022 01:41 PM EDT
[3] International Energy Agency "Global Supply Chains of EV Batteries" page 49, July 2022
[4] Reuters Aug.26 2022 8:10am

Fantastic Logistics NW Quebec

Proven Mineralization with First Mover Advantage

Secure Low Cost Setting with Large Scale Mineralization

-Large land position in the under explored Pontiac geological province, south of the Cadillac Break, first mover tied up all historic base metal showings
-Beside Canada's largest open pit gold mine in a mature mining camp
-Quebec is a secure, friendly, Top 10 in the world mining jurisdiction
-Road Access via local and national roads reduces carbon footprint
-Hydro Electric Power Lines on property, green and cheap electricity, reduces carbon footprint
-Largest Property Holder in the Cadillac Pontiac Lithium Battery Camp with proven surface polymetallic battery mineralization
->4000 claims staked in 6 months within the camp for exploration
-Canada's only copper/nickel smelter 1 hour away, Glencore's Horne Smelter
-Excellent First Nation relationship
-Entire property uninhabited
-Potential Scale (~29km mineralized strike and growing) of surface mineralization delivers large scale open pit potential, offering low cost of production in the future



Surface Mineralization

Significant Scalable Open Pit Potential

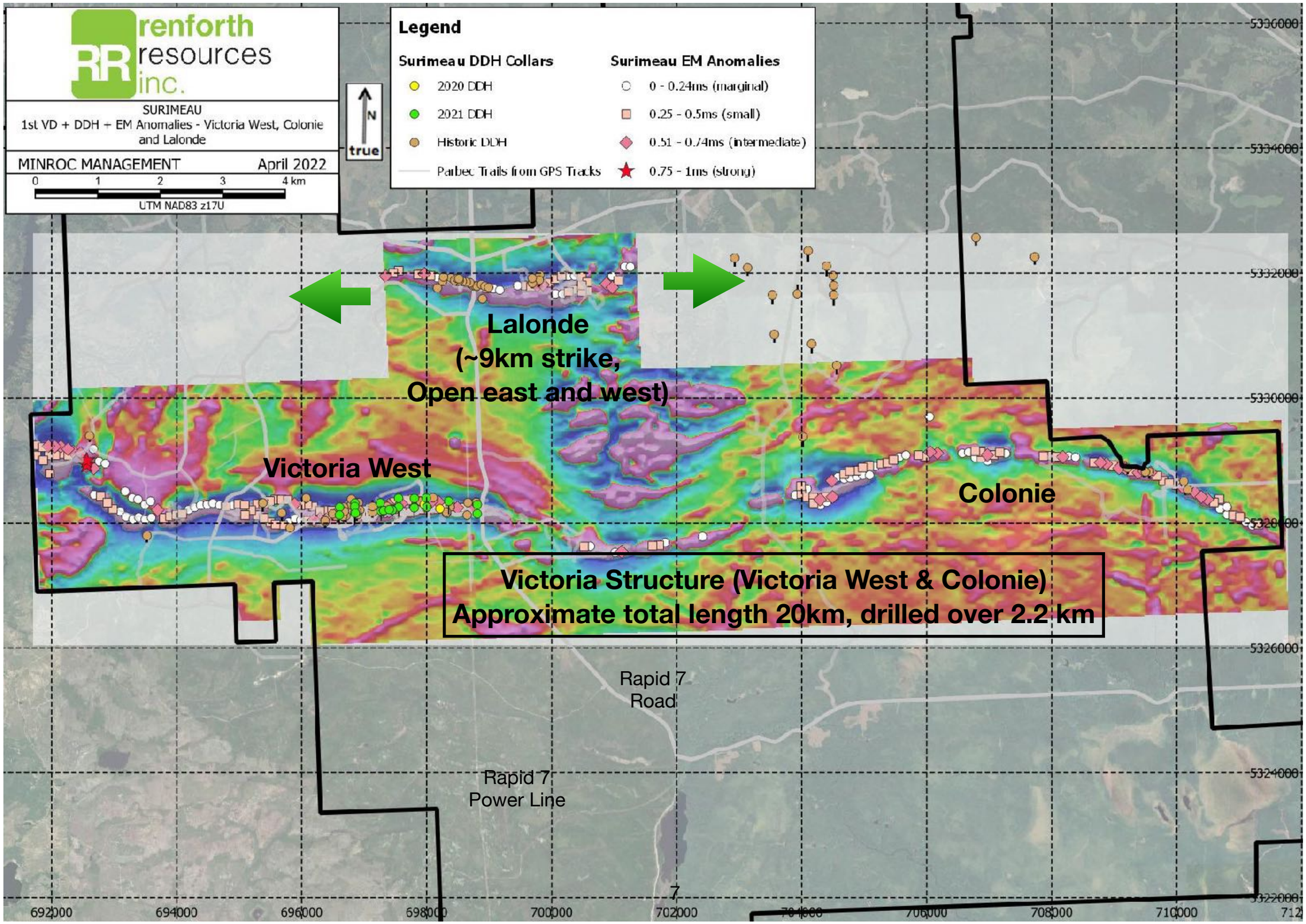
Next Door to Canada's Largest, Precedent Setting, open Pit Gold Mine

- **Stripping over 275m to map only the south side of mineralization at Victoria within the 2.2km drilled.**
- **Demonstrates continuity of nickel/cobalt/copper/zinc between surface and max. depth drilled of 150 vertical metres**

Large Scale Mineralized Systems

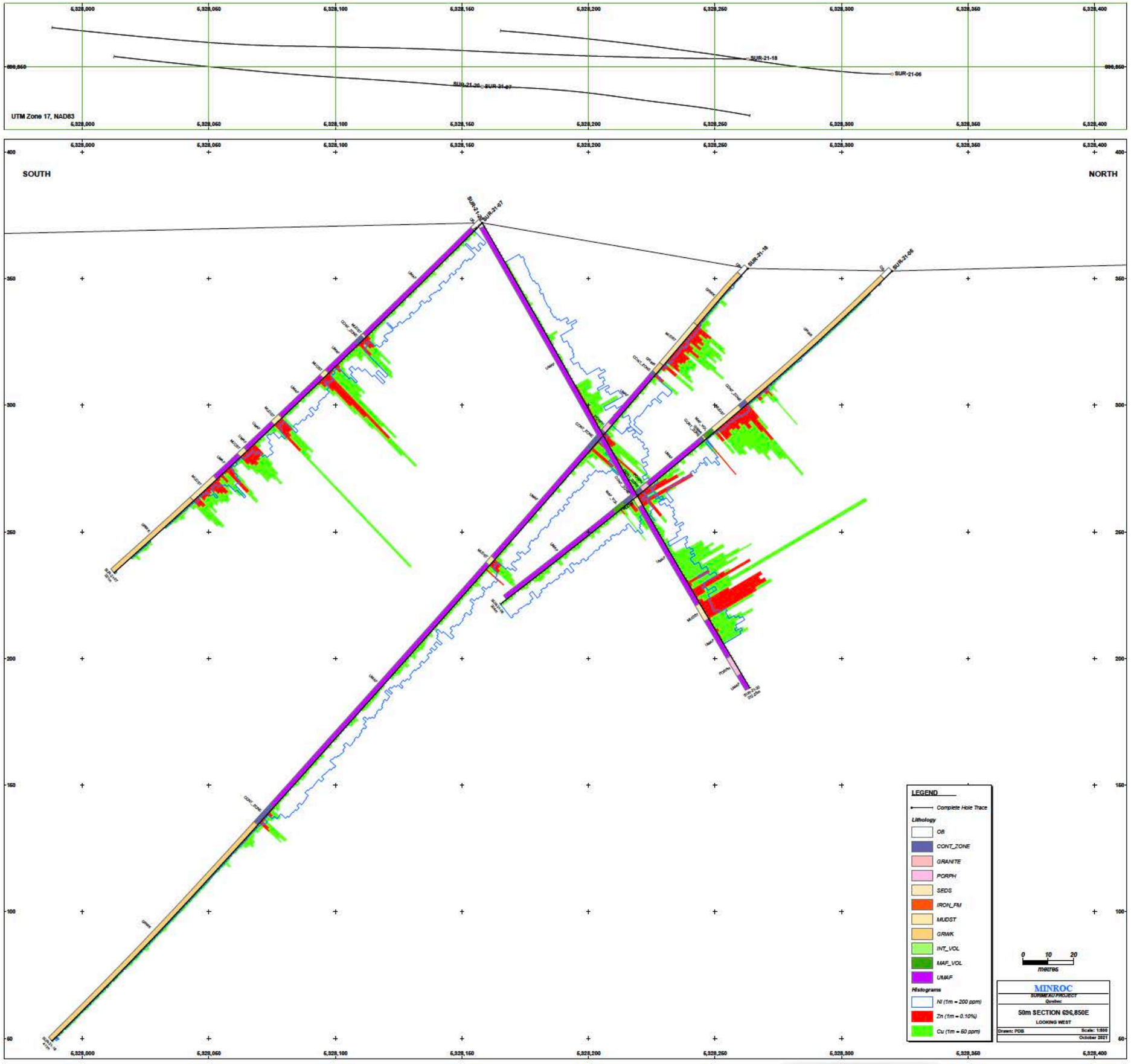
Sulphide Nickel Polymetallic Mineralization, 2 structures, *total length ~29km*

Surface metals, road and power line means cost effective open pit potential



-Initial, limited drilling indicates widths of 125m wide within the 2.2 km length drilled.
-Summer 2022 a second mineralized band ~75m north of the Victoria West drilled area was discovered
-Interpretation, supported by Mag/EM survey is two mineralized bands within the Victoria structure west of the road, effectively doubling the size of the Victoria structure
-Only the southern band at Victoria drilled or stripped to date
-**Mineralization currently large scale low grade nickel sulphide rich polymetallic mineralization (consistent .25% Ni plus other metals)**
-Higher grade Ni drilled includes 3.46% Ni and 491ppm Cobalt over 1.5m at 196.5m depth gives grade increase with depth potential
-With additional work the grades/size may change

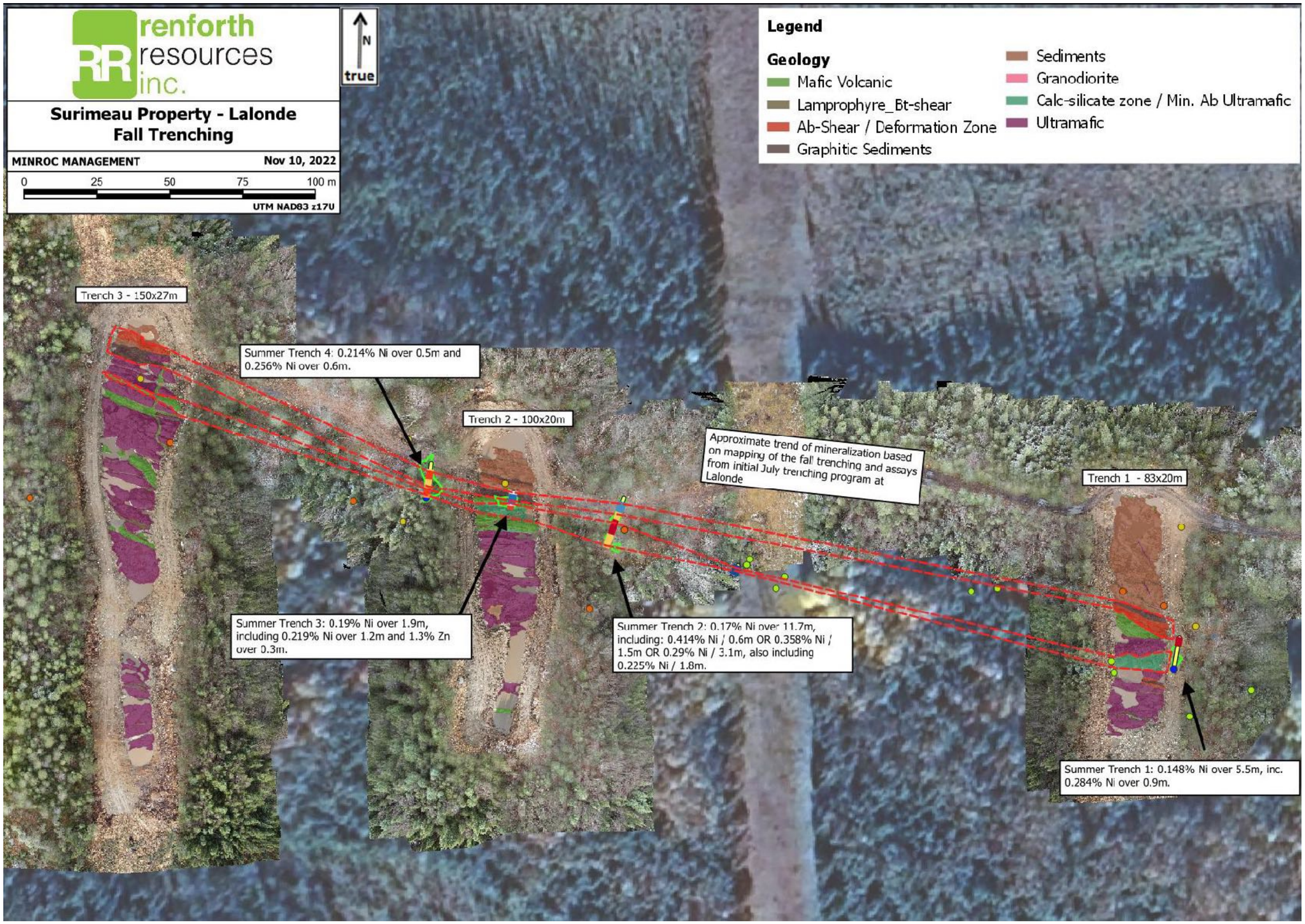
Focus is on Victoria West, drilling off the 6km of mineralized strike, containing two bands of mineralization, between the road and western border to arrive at the first mineral resource in this new district



Lalonde Mirrors Victoria

2nd Battery Metals System Identified at Surimeau

Only 4km to the north, interpreted with Victoria as fold arms, the fold nose to the east, property potential has doubled, Lalonde seems to be the same mineralization as Victoria, undrilled by Renforth



Location, Location, Location

A golden rule delivering economic and ESG advantage for Renforth"s Surimeau Nickel Discovery

The nickel value chain is placing high importance on security of supply as well as provenance and traceability…The carbon–equivalent footprint of a typical integrated sulphide operation is between one–fifth and one–quarter of the NPI–to–matte route to battery acceptable material.[1]

"Manufacturing bottlenecks, serious though they are, look manageable next to those at the mining end of the battery value chain. Take nickel. Thanks to a production jump in Indonesia, which accounts for 37% of global output, the market seems well supplied. However, Indonesian nickel is not the high-grade sort usable in batteries. It can be made into battery compatible stuff, but that means smelting it twice, which emits three times more carbon than refining higher-grade ores from places like Canada…"[3]

Working through ongoing U.S. Government initiatives and with allies to secure reliable domestic and foreign sources for critical minerals is as vital as ultimately replacing these materials in the lithium-battery supply chain. New or expanded production must be held to modern standards for environmental protection, best-practice labour conditions and rigorous community consultation, including with tribal nations through government-to government collaboration, while recognizing the economic costs of waste treatment and processing.[2]

[1] BHP's economic and commodity outlook *Financial Year 2022*
[2] Executive Summary National Blueprint for Lithium Batteries 2021-2031 U.S. Department of Energy
[3] The Economist August 20-26 2022 pages 58-59

Surimeau - Sustainable Potential Future Nickel Source

Sulphide nickel bearing ultramafic which can sequester carbon and be processed using renewable energy

Renforth is working to prove Surimeau to be a "green" source of future North American Nickel supply[1] at a time when the environmental cost of nickel production is coming under scrutiny from consumers and legislators

"Green" Power Source For Surimeau

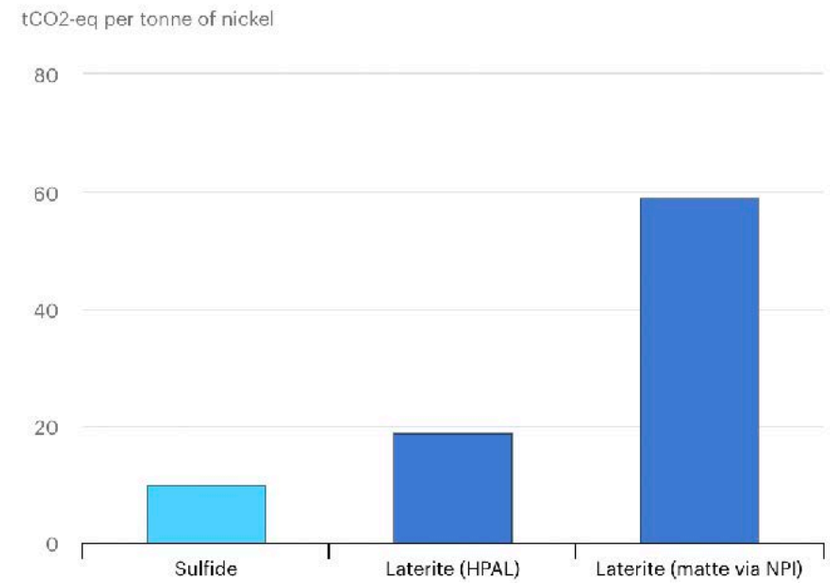
"Québec's electricity production sector has one of the lowest carbon footprints in the world. The electricity it produces is derived from sources that are more than 99.8% renewable, mainly hydropower."[2]

Carbon Sequestration Potential at Surimeau

Research publicly cited between exploration companies, Universities such as Laval and senior miners such as Glencore is advancing natural and engineered carbon sequestration in ultramafic rocks. This technology has the potential to offset carbon production in mining situations, working towards net zero carbon production in mining operations

GHG emissions intensity for class 1 nickel by resource type and processing route

Open



Today's main pathway Areas of future growth

Sulphide nickel, like at Surimeau, requires less energy to produce Class 1 nickel, generating lower greenhouse gas emissions. Surimeau could access renewable hydro electric power, the cheapest in Canada, via power lines for Rapid 7 and 2 on the property

Pentlandite in Surimeau drill core

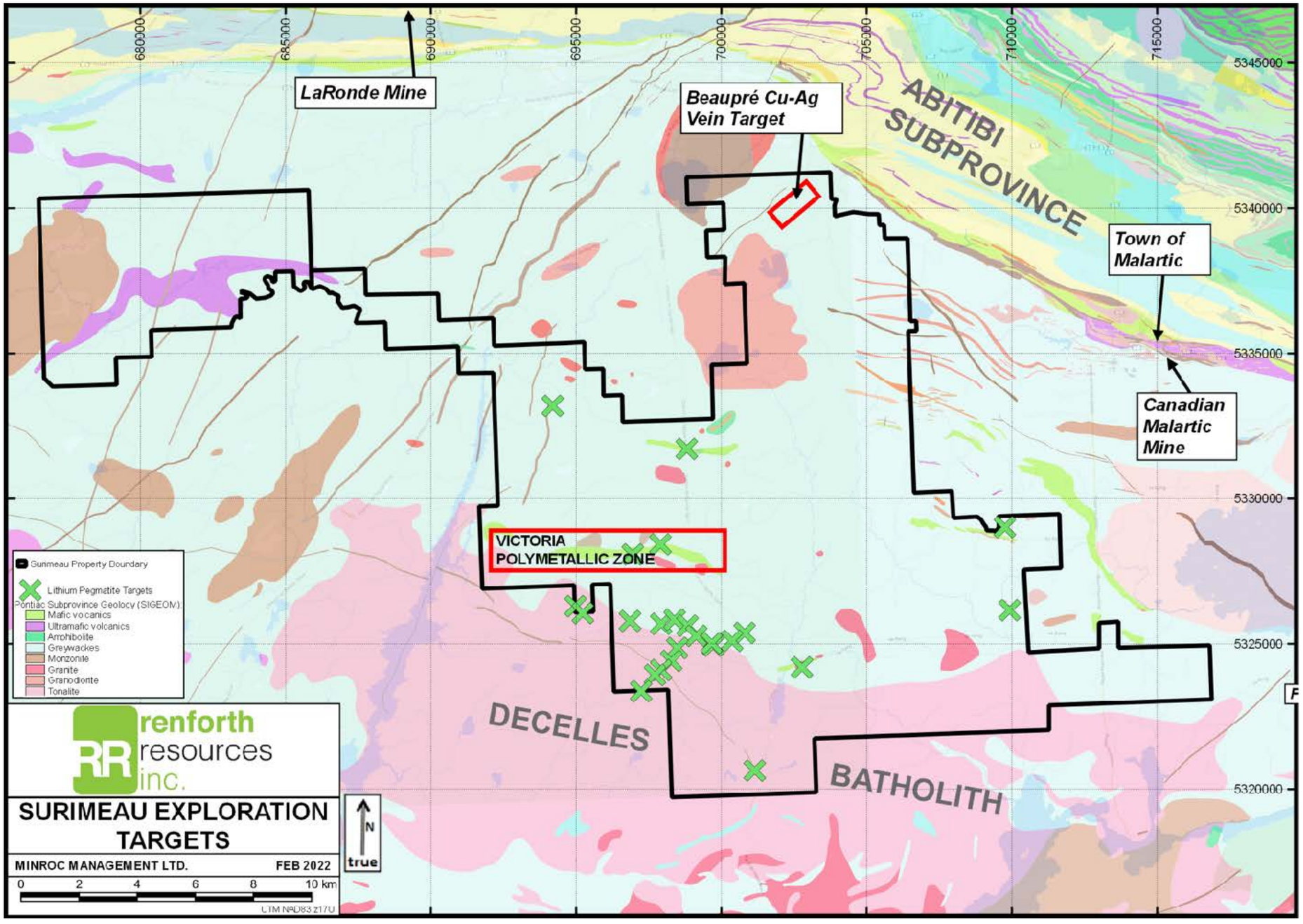
1 - This statement looks to the future, requires the completion of additional fieldwork and economic studies, all dependent on results which are not guaranteed and may not occur
2 - 1https://www.quebec.ca/en/government/policies-orientations/plan-green-economy/challenges-to-be-met
3 - https://www.brookings.edu/blog/up-front/2022/09/21/indonesias-electric-vehicle-batteries-dream-has-a-dirty-nickel-problem/

Lithium Potential at Surimeau

Premier Prospective Land Position

Limited Exploration to date in a Fertile Setting

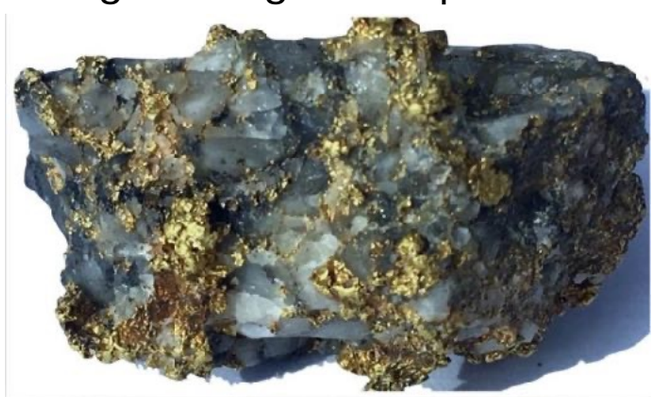
-Renforth is the best positioned explorer in the new Cadillac-Pontiac Lithium camp
-The Decelles Batholith is a fertile source for spodumene (lithium)
-The Decelles Batholith intrusive has a 10km area of influence for lithium bearing pegmatite enrichment, RFR has the largest land position in this zone
-Renforth has only carried out initial exploration over a small portion of the ground over 15 field days
-Several pegmatites were discovered and initially sampled, results are above background but low grade (to date) lithium alongside anomalous Cesium and Tantalum, which are indicators of fertile pegmatites.
-Renforth has observed an association with biotite alteration and the presence of lithium in micas in several areas at Surimeau, including within Victoria
-Numerous areas still to explore in a fertile setting



Backed by GOLD

Renforth's development of Quebec's newest battery metals district is supported by a gold deposit which will be monetized

-Renforth wholly owns the **Parbec Gold deposit** in NW Quebec
-In a similar geological setting to, and on strike to, the Canadian Malartic Mine, Canada's largest open pit gold mine, which is depleting ounces
-15,000m of new drilling, and 13,000m of historic data available for new Mineral Resource Estimate
-Parbec is a surface open pit gold deposit which has been extended deeper under the pits in recent drilling, open to depth and on the remainder of on-property strike
-Parbec is geologically and mineralogically simple, easily mined
-Limited grind and cyanide leach testing indicated recovered grades better than assayed grades, there is a known nugget effect with free gold in the mineralized system
-The property is in good standing for a significant period of time



-Renforth wholly owns the Nixon-Bartleman Property west of Timmins, Ontario
-Nuggety gold in quartz veining sampled over 500m in strike on surface, with a second mineralized horizon, located on mining patents, surrounded by staked claims

Investment Rationale

Shareholders will participate in the establishment of Quebec's newest nickel deposit, sustainable and located to support North America's EV industry

- **Timing** - the development of the Surimeau battery metals asset is occurring at the beginning of a period of significant and sustained demand for battery metals within North America which uphold ESG values

- **Prior Management Success** - RFR's management previously developed and sold an asset to fund the Surimeau acquisition and discovery

- **Superior Logistical Advantage** - Quebec boasts the cheapest electricity in Canada, 98% hydroelectric generated, Surimeau has those power lines crossing the property, with road access and nearby cross country rail lines as well. In a mature mining camp in a very secure jurisdiction, political and local support of mining and all the personnel and services required to build and run a mine

- **Surface mineralization** - amenable to a future open pit operation, the lowest cost and quickest way to commence mining. With numerous areas of mineralization a "hub and spoke" processing model could be built and last for some time.

- **Data is currently limited - growth potential** max. depth drilled is ~150m within the stripped area, with the grade increasing with depth. The mineralization is open below this point.

- **Secure junior company** In addition to a track record of ability to finance with supportive shareholders Renforth has the ability to self fund the future drilling required to create an initial resource at Surimeau through the sale of gold assets and investments onhand.

For additional information please visit www.renforthresources.com
Call Nicole Brewster, President and CEO, (416)818-1393 or
nicole@renforthresources.com

Appendix

Macro Market Support, Industry Transactions

There are four key questions for the nickel market in the longer run[40]. The first is how fast will electric vehicles (EVs) penetrate the auto fleet? The second is what mix of battery chemistries will power those vehicles? The third is what will be the "steady state" marginal cost of converting the abundant global endowment of laterite ores to nickel products suitable for use in battery manufacturing? The fourth question is related to the third: how will the cost curve evolve in the face of ever–increasing consumer and regulatory demands for transparency with respect to the sustainability of upstream activity?

Our views on the first two questions are both well–known and uncontroversial: EVs are taking off, and ternary nickel–rich chemistries are expected to be the leading technology that powers them. Leading of course does not mean that this technology must completely monopolise all applications across all segments. LFP (Lithium–iron–phosphate) has a role at the low end of the cost and performance spectrum, and other chemistries (for example those that thrift on cobalt and/or accommodate more manganese) are also likely to find their niche as EV penetration broadens across all segments.

The recent increase in LFP share in China is noteworthy, as discussed elsewhere. There is a nickel specific point to be made here as well, with battery chemistry choices driving different nickel intensity per unit across the major consumer regions. The 3.5 million EV units China sold in calendar 2021 required around 95 kt of nickel. The 2.3 million EV units sold in Europe required around 90 kt of nickel: just 5kt less despite selling 1.2 million fewer units. The 792 thousand EVs sold in North America required 50 kt. The big picture here is that the electrification of transport mega–trend is a major stimulant for nickel any way you cut the data. The secondary story is that the ultimate size of the prize is a function of both the number of EV units and the nickel multiplier associated with the choice of battery.

Regardless of battery chemistry the industry requires nickel for energy storage.

This reality supports Renforth's focus on the previously unknown nickel mineralized systems present at Surimeau.

The grade and the extent of mineralization, the volume of nickel contained at Surimeau still has to be determined, but, in management's opinion this is a market sector that will see long term sustained demand and, as it matures, increased scrutiny regarding the true environmental cost of that nickel

Longer term, we believe that nickel will be a substantial beneficiary of the global electrification mega–trend and that nickel sulphides will be particularly attractive.

Industry Support

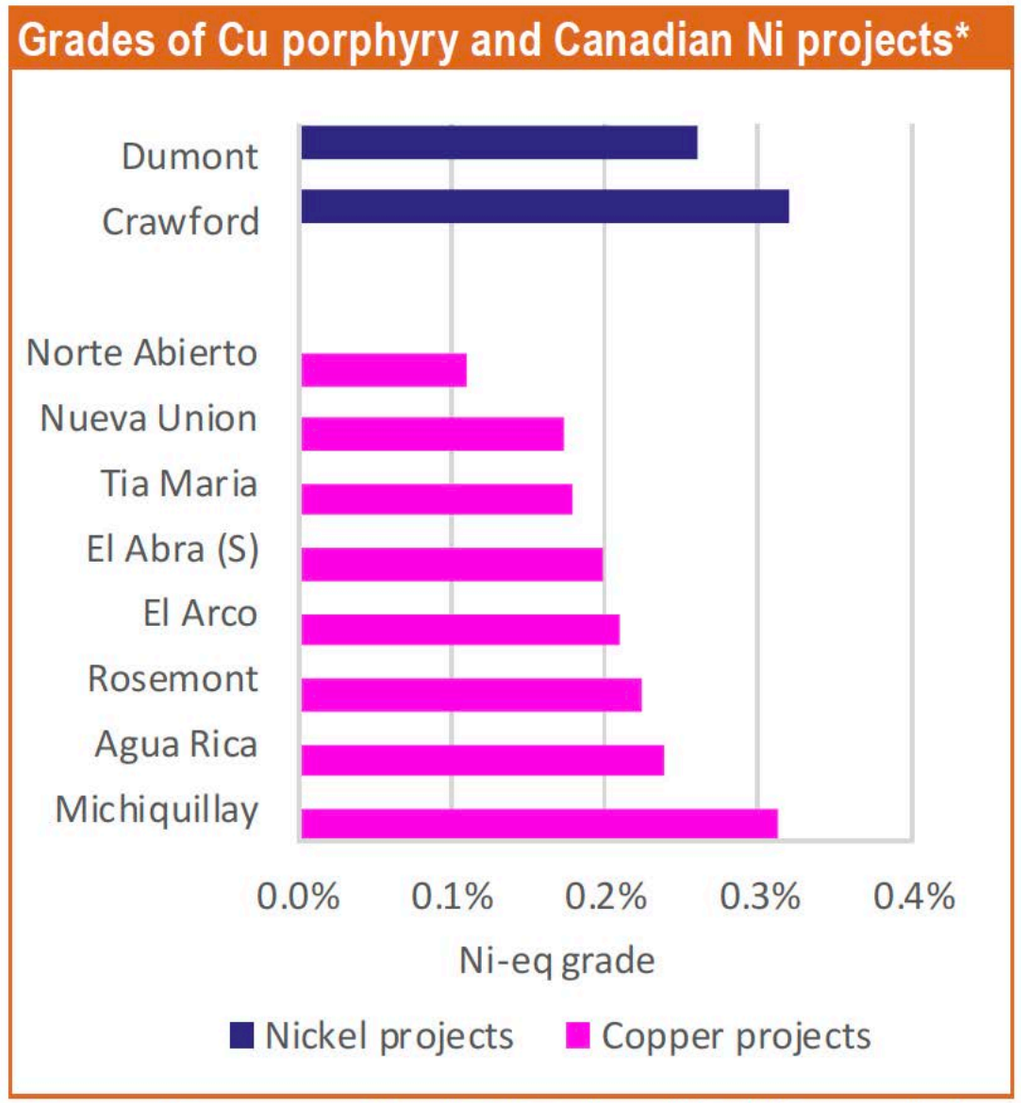
Nickel Features in M&A, Copper Mining Grade Compares Favourably to Nickel Grades

Recent nickel takeout multiples

Date	Target	Type	Mkt value US$m	Resource Mt	Grade %	Cont'd nickel Kt	Multiple US$/t
Jul-20	**Dumont project (Private)**	**Sulphide**					
Dec-20	Noront Resources (Wyloo)	Sulphide					
Feb-21	Minago project (Silver Elephant)	Sulphide					
May-21	Noront Resources (Wyloo1)	Sulphide					
Jul-21	Silver Knight deposit (IGO)	Sulphide					
Jul-21	Noront Resources (BHP1)	Sulphide					
Sep-21	Noront Resources (Wyloo2)	Sulphide					
Oct-21	Talon Metals (Pallinghurst)	Sulphide					
Oct-21	**Santa Rita mine (SBSW)**	**Sulphide**					
Oct-21	Noront Resources (BHP2)	Sulphide					
Dec-21	**Noront Resources (Wyloo3)**	**Sulphide**					
Dec-21	Western Areas (IGO)	Sulphide					

DATA AVAILABLE TO SUBSCRIBERS

Source: Company data, BM Review estimates



*Source: Company data, BM Review. *Excl. by-products*